

An Ordinance Establishing Rules and Regulations for the Plumbing and Drainage of Buildings in the City of Lodi, Defining Certain Terms Used Therein, Making all Violations of Certain of the Provisions of this Ordinance as Misdemeanor, and Fixing for the Penalty Therefor; Providing for the Licensing of Master Plumbers, the Issuance of Licenses to Master Plumbers and the Fee to be Paid Therefor; Creating the Office of City Plumbing Inspector, Defining his Fees and Compensations and Providing for his Election.

The Board of Trustees of the City of Lodi do ordain as follows:-

Section 1.- All plumbing and drainage of the buildings in the city of Lodi shall be done in accordance with the provisions of this Ordinance.

Section 2.- All material must be of good quality and free from defects. The work must be done in a thorough and workmanlike manner.

Section 3.- The arrangement of drain, soil, waste and vent pipes must be as direct as possible. All changes in the direction of drain, soil or waste pipes shall be made with "Y" branches 1-16, 1-6 or 1-8 bends. Offsets may be used, provided the angle they present is not less than that represented by a 1-6 bend.

Section 4.- Every house and building must be separately and independently connected with the street, lateral or branch sewer where the same is practicable, except in cases where there may be a house in the rear of the lot. In this case, it may be connected with the sewer of the house in front provided that the old sewer will satisfactorily stand the "Water Test". A house or building shall be defined as an architectural structure covered by one roof and enclosing walls. Porches or the continuance of porch roofs from building to building shall not be considered as a portion of the main structure.

Section 5.- The sewer, when it lies under the building and for three feet beyond the front wall, or of any area wall, shall be cast iron pipe, and all fittings shall be of the same material. Outside of the building line the sewer shall be continued to the main sewer in street with either cast-iron pipe or vitrified iron-stone pipe of the best quality. This, however, shall not permit the use of intermediate sections of iron-

stone pipe between cast-iron pipe, nor the introduction of cast-iron section between iron-stone pipe.

HOUSE-SEWER- Is the term applied to that portion of the main drain extending from a point two(2) feet outside the outer face of outer front vault or area wall to its connection with the public sewer.

HOUSE-DRAIN - Is the term applied to the said horizontal drain and its branches inside the walls of the building extending to and connecting with the house sewer.

SOIL PIPE- Is the term applied to any vertical pipe extending through the roof, receiving the discharge of one or more water closets with or without other fixtures.

WASTE PIPE- Is the term applied to any vertical pipe extending through roof, receiving the discharge of any fixture except water closets.

Section 6.- All joints on iron-stone pipe must be made with Portland Cement and clean, sharp sand in proportions as directed by the Plumbing Inspector, and each joint of pipe when laid must be properly cleaned out by a suitable scraper before the succeeding joint is put in place.

Section 7.- All joints on cast-iron pipes and fittings must be made with suitable packing of oakum properly caulked and run full with molten lead.

Section 8.- All sewers and soil pipes shall have a continuous fall of not less than one-quarter inch to the foot, and if possible, more. Where practicable, it shall run along the cellar wall, or if laid under the cellar or lowest floor of a building, be hung with iron hangers securely fastened to floor joists.

Section 9.- When it is not possible to run and fasten the cast-iron sewer pipe as above directed, it may run in a trench cut to a uniform grade.

→ Section 10.- Heavy brass male thread "cleanouts", the same to have a solid cast square head shall be placed at the end of each horizontal line of drain pipe. In no case shall the cleanouts provided for the main horizontal cast-iron drain pipe be of a diameter less than four inches. In all other drains the cleanouts shall be of the same size as the pipes they serve.

Section 11.- Every soil and drain pipe shall be of cast-iron. Waste pipe may be of cast iron, galvanized wrought-iron with recessed fittings or of lead. Where lead is used it shall be used only as branches.

to connect with the cast-iron; said branches shall not exceed five feet in length.

Section 12.- No soil pipe of a diameter less than four inches inside shall be permitted; and all soil and waste pipes shall be properly fastened and secured with either heavy wrought-iron straps or hooks.

Section 13.- All cast-iron pipes or fittings used for soil or waste pipes must be coated both outside and inside with coal tar pitch applied hot, except vents, which shall be of galvanized wrought-iron and fittings of the same material.

Section 14.- When lead waste pipe is used it must intersect at the same angles as given by "Y's", one-sixteenth, one-sixth, or one-eighth bends. All connections of lead with cast-iron pipe must be made with Barry, Raymond or brass ferrules of the same size as lead pipe and connected to the same by a wiped joint or overcast and be properly caulked into the fittings with oakum and molten lead, where a fitting known as screwed sanitary is used in installing plumbing, the connection of lead or brass therewith must be made with a brass bushing thoroughly tinned on the inside and carefully sweated to trap or pipe, or with a suitable patent slip joint.

Section 15.- No brick, sheet-metal or earthen-ware flue shall be used as a sewer ventilator nor shall any chimney flue be used for this purpose.

Section 16.- No rain water drains or leaders shall be connected with any pipe to be connected with the sewer.

Section 17.- Every water closet, urinal, sink, basin or bath, or set of wash-trays must be separately and effectively trapped. The traps must be placed as near to the fixtures as possible, and in no case more than two feet from the fixtures. In no case shall the trap of one fixture connect with the trap of another.

Section 18.- Traps must be protected from syphonage by special air pipes of lead, wrought or cast-iron of a size not less than the trap they serve, and if to supply air to a water closet, not less than two inches in diameter. At the end of all horizontal runs of vent pipe a screw plug shall be placed, also at the bottom of all vertical vent lines, where sediment is liable to collect, a suitable drip plug not less than one foot long shall be placed. If the plug is at the foot of a vertical concealed vent, then it shall be so placed as to admit of repairs. In no case shall these plugs and drips be of a size less than the vent they serve.

*Vent location*

Section 19.- All air pipes shall run of undiminished size separately or combined through the roof and for one foot above and left open or they may be connected with the soil pipe at a point not less than three feet and six inches above the floor line.

Section 20.- The ventilating pipes must be run with as few bends as possible and the branches must be connected to main Vent at an angle of not less than forty-five degrees, and be increased in size every thirty feet. When combined the vent pipes must be increased in size according to the following table: In all buildings of four stories or less- Branch vents of water closets shall not be of a size less than the following: (the term "branch vent" as here applied shall be construed to mean all that vent pipe located between the fixture and the point where the vent joins into the main vertical vent.)

Four waterclosets may be vented into a two and one-half inch vent.

Five to eight waterclosets may be vented into a three inch branch vent.

Nine or more waterclosets may be vented into a four inch branch vent,

\*Single waterclosets located in the basement or first floor or a building, if the soil pipe drop does not exceed ten feet, may be vented with a two inch vent pipe for a distance of thirty feet; when the vent is longer than thirty feet, then the entire Vent shall be two and one-half inches until the distance of sixty feet, when it shall be increased to a three inch to a finish. In all cases where the soil pipe has a drop greater than ten feet, then the soil pipe shall be continued full bore to a point one foot above roof, and act as a vent pipe.

In each and every building to be used as residence or otherwise, and where water closet or closets is or are situated either within the premises, or within ten feet, of the outside walls of said premises, then in any and all cases it shall be required that at least one four inch vent pipe be continued to above roof line, and this irrespective of what distance the soil pipe may drop.

Three wash-basins, baths or similar fixtures may be vented by two inch vertical vent pipe.

Six similar fixtures by a two and a half inch vertical vent pipe.

Twelve similar fixtures by a three inch vertical vent pipe.

Where more than twelve fixtures, they may be vented by a four-inch vertical vent pipe. Single one and one-half inch traps may be vented by a

one and one-half inch vent pipe when the vent does not exceed twenty-five feet. When it is in excess of twenty-five feet, then the entire main vent shall be of two inch pipe.

When one and one-half inch branch vents are used on fixtures, the said branch vent shall not exceed five feet. In the calculation of the relation of basins, baths and similar fixtures toward waterclosets, it shall be reckoned that four basins or baths or similar fixtures shall equal two waterclosets, and so on at that ratio,

Where more than sixteen wash-basins, baths or similar fixtures are on a line and are situated in a five story building or over, below the fifth floor, then the vertical vent, from the fifth floor up must not be less than four inch pipe. On buildings five stories or over not more than twenty feet may be used as a branch vent.

Section 21.- Where vent pipes branch into one another, and where they branch into the soil pipe, the branch fitting must be three feet six inches from the floor line

Section 23.- Every vertical soil waste or vent pipe (unless otherwise provided for) must extend full bore one foot above the roof and be continued to a point at least ten feet from any opening of the house or an adjoining building. No cays or cowls shall be affixed to the top of any ventilating pipe, though a strong wire basket may be used. Intercepting traps are strictly prohibited,

Section 24.- There shall be no traps placed at the foot of vertical soil or waste pipes.

Section 25.- Slog hoppers set upon a wooden floor must be connected to waste pipe with lead wiped on to a brass ferrule and the same to be caulked. All slog hoppers shall be provided with a suitable trap of not less than two inches in diameter. When hoppers are set upon an outside porch and the drop does not exceed ten feet, they need not be vented; when more than ten feet a two inch vent is required. Bell trays shall not be allowed in any case. No hoppers allowed inside any building or inclosed porch. All hoppers to be enameled inside,

Section 26.- No fixture shall have a trap or a diameter less than one and one-quarter inch. Urinals shall not have a trap larger than one and one-half inch in diameter.

Section 27.- Rainwater leaders must never be used as a soil, waste or vent pipe, nor shall any soil waste or vent pipe be

used as a rainwater leader,

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Section 28. No steam exhaust shall connect with any drain, soil or waste pipe. A steam condenser however, may be permitted, upon the approval and with the consent of the Board of Health.

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Section 29. All leader:, soil, waste and vent pipes, and all drain pipes inside and outside a building, before being covered must have all openings stopped, and be filled with water. This test must be made in the presence of the Plumbing Inspector, and if satisfactory to him he shall issue a proper certificate. Notice must be given the Plumbing Inspector when the work is sufficiently advanced for inspection. When pipes have been tested in sections there shall be another test made when connections are made to house sewer. Immediately upon completion of work notice must be given for final inspection.

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Section 30. All water closets within a building must be supplied from separate tanks or cisterns, the water of which shall be used for no other purpose. A group of water closets may be supplied from one tank. Hopper closets shall not be allowed inside any building or enclosed porch.

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Section 31. When water closets are supplied from tanks the down or flush pipe shall in no case be less than one and one fourth inches inside diameter. No rubber connections will be allowed between water closets and vent pipes. Pan water closets are strictly prohibited.

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Section 32. No wooden sinks or wash trays will be allowed on the premises of any residence or tenement which is to be used as a dwelling.

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SECTION 33. Each and every compartment wherein a water-closet or urinal is situated, shall be ventilated by means of a window opening directly to the external atmosphere, or by means of an air-shaft having an area of at least four square feet. This shaft shall continue of undiminished size to the roof. At this point its openings shall equal in area not less than that of the shaft.

No air-shaft or window ventilating either a water-closet or urinal compartment shall discharge into or ventilate any other compartment whatsoever. This, however, shall not prevent the enlargement of air-shafts to a size suitable for its duties, so as to ventilate a series of closets or urinals. All in conformity with the instructions and subject to the approval of the Board of Health.

SECTION 34. When a building is moved or when an addition or alteration is made to and in a building, where new fixtures are to be put in the addition and old fixtures are to be altered and reset in the old portion of the building, then, both the new fixtures put in and the old plumbing in the building must be placed in a sanitary condition and comply with these rules and regulations.

SECTION 35. Any persons violating any of the foregoing provisions of this ordinance shall be deemed guilty of a misdemeanor and upon conviction shall be punished by a fine not exceeding \$300.00 or by imprisonment in the County Jail not exceeding 100 days or by both such fine and imprisonment.

SECTION 36. No person, firm or corporation shall in the City of Lodi engage in or work at the business of plumbing as a master plumber unless such person, firm or corporation shall have first obtained a license therefor from the City Clerk and License Collector of said City as hereinafter provided.

SECTION 37. A license so to do shall be issued by the City Clerk upon an application approved by the Board of Trustees. Applications shall be accompanied by an affidavit showing the name, age and place of business of said applicant and also stating the number of years said applicant has carried on business as a master plumber or journeyman plumber, and give any other information or submit to any examination relative to his fitness which the Board of Trustees may require; All licenses issued shall state the full name, age and place of business of the applicant so licensed. It shall be the duty of the City Clerk to keep a record of all the licenses issued together with an alphabetical list of the persons, firms or corporations so licensed.

Section 38.<sup>31</sup> No license shall be granted authorizing a master plumber to do business or labor as such in the City of Lodi for a longer period than one year and all licenses shall expire upon the expiration of the year of issue unless sooner revoked by said Board of Trustees and upon the expiration of the old license, each master plumber carrying on business or laboring as such in said City of Lodi shall apply to said Board of Trustees for the renewal of his license.

Section 39.<sup>28</sup> No person shall display upon any sign, placard or otherwise, in front or upon or in or about his place of business, words signifying that he is a licensed plumber unless he is so licensed.

Section 40.<sup>34</sup> It shall be unlawful for any plumber (save and except a licensed master plumber or his employee) to engage in the plumbing business in the City of Lodi.

Section 41.<sup>40</sup> Upon issuance of the license herein provided for, said applicant shall pay unto the License Collector the sum of \$(10.00) and annually thereafter (\$10.00) for each renewal thereof.

Section 42.<sup>41</sup> Any violation by a licensed plumber in said City of Lodi of any of the provisions of Sections One to Thirty-four inclusive of this ordinance shall work a forfeiture of the license granted to him under the terms thereof, and the Board of Trustees upon duly written notice may revoke the same.

Section 43.<sup>42</sup> That there be, and that there is hereby created the office of City Plumbing Inspector to be filled by appointment by the Board of Trustees and to serve during the pleasure of said Board, whose duty it shall be to inspect all plumbing and to see that the same is installed in accordance with the provisions of Sections One to Thirty-four inclusive of this Ordinance and that the master plumber in charge of said work is a duly licensed plumber in the City of Lodi and after inspection of plumbing, should he find the same correct, to issue a certificate to the master plumber in charge of said work, showing inspection and approval thereof, and he shall make a report to the City Trustees of the City of Lodi of all his proceedings and of fees collected, the first Monday in every month.

Section 44.<sup>43</sup> This ordinance shall be published <sup>Printed and i by posting in</sup> ~~once in the Lodi~~ <sup>four public places in the City of Lodi by the City Marshall.</sup> ~~four public places in the City of Lodi by the City Marshall.~~ ~~in the Lodi Sentinel, a newspaper published in this city.~~

Section 45.<sup>44</sup> This Ordinance shall be in force and take effect immediately upon its final passage, approval and publication.



I hereby sign and approve the foregoing ordinance this 19<sup>th</sup> day of October, 1910.

J. M. Blodgett  
President of the Board of Trustees  
of the City of Lodi,

I hereby Certify that the foregoing ordinance was read and introduced at a meeting of the Board of Trustees, held on the 13th day of October, 1910, and that said ordinance was duly gassed at a meeting of said Board held on the 19th day of October, 1910, by the following vote:

Ayes: Trustees Blodgett; Hale, Rich and Villinger.

Noes: None.

Absent: President Lawrence.

and I further certify that the President of the Board of Trustees signed said ordinance on the 19<sup>th</sup> day of October, 1910

C. A. Rich  
City Clerk Pro Tem

H. B. Coleman, City Marshal, being duly sworn deposes and says that he has posted four copies of the within Ordinance No. 52, by posting the same in four public places within the City of Lodi, to-wit:

- 1 at the City Hall,
- 1 at the U.S. Post Office.
- 1 on a telephone pole in front of the Bank of Lodi, and
- 1 on a telephone pole in front of Keagle, Steele & Keagle's store, on the 15th. day of November, 1910.

Subscribed and sworn to this  
15th. day of November, 1910.

H. B. Coleman  
..... City Marshal.

Subscribed and sworn to before me,

J. M. Blodgett  
City Clerk